

WHAT IS CLAIMED IS:

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1. An information processing apparatus comprising:
5 input means for inputting image data and program information data, the program information data indicating information relating to a program including the image data;
10 display means for displaying an image corresponding to the image data input from said input means; and
15 control means responsive to a change in a program including images displayed by said display means for controlling said display means to display program information relating to the program information data of the changed program and the images on a same screen.
- 20 2. An information processing apparatus according to claim 1, wherein the image data is data transmitted by digital television broadcasting.
- 25 3. An information processing apparatus according to claim 2, wherein said input means includes:
 reception means for receiving transport stream data transmitted by the digital television broadcasting; and
 deriving means for deriving the image data from the transport stream data received by said reception

means.

4. An information processing apparatus according
to claim 1, wherein the program information data is EPG
5 data transmitted by digital television broadcasting.

5. An information processing apparatus according
to claim 4, wherein said input means includes:
reception means for receiving transport stream
10 data transmitted by the digital television
broadcasting; and
deriving means for deriving the image data from
the EPG data received by said reception means.

15 6. An information processing apparatus according
to claim 5, further comprising a memory unit for
storing the EPG data derived by said deriving means,
wherein said control means responsive to a change in a
program including images displayed by said display
20 means derives the program information data of the
changed program from the EPG data stored in said memory
unit.

7. An information processing apparatus according
25 to claim 6, further comprising manual setting means for
setting contents of program information to be displayed
by said display means, wherein said control means

derives the program information data from the EPG data in accordance with the contents of the program information set by said manual setting means.

5 8. An information processing apparatus according to claim 1, wherein said control means controls said display means to display at least one of a channel number, a program name, program contents, and program detailed contents, as the program information of the
10 changed program.

9. An information processing apparatus according to claim 1, further comprising manual setting means for setting contents of program information to be displayed by said display means.
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10. An information processing apparatus according to claim 9, wherein said manual setting means sets at least one of a display timing of the program information, a display area, a display character size, a display method, a display speed, the number of display repetitions, and display contents.
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11. An information processing apparatus according to claim 1, further comprising change instructing means for instructing to change a program including images displayed by said display means from a first program to
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a second program, wherein said control means controls said display means to display the program information of the second program and images of the second program on the same screen.

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12. An information processing apparatus according to claim 11, wherein in response to a program change instruction of said change instructing means, said control means controls said display means to inhibit a display of the program information of the first program and display the program information of the second program.

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13. An information processing apparatus according to claim 1, wherein in response to a start of a program broadcast next to the program including images displayed by said display means, said control means controls said display means to display the program information of the next program and images of the next program on the same screen.

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14. An information processing apparatus according to claim 13, wherein in response to the start of the next program, said control means controls said display means to inhibit a display of the program information of the program and display the program information of the next program.

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15. An information processing apparatus according to claim 1, wherein in response to a turn-on of a power supply of the apparatus, said control means controls said display means to display the program information of the program including images displayed by said display means and the images on the same screen.

10 16. An information processing apparatus according to claim 1, wherein in response to a broadcast end of the program including images displayed by said display means, said control means controls said display means to display program information of a next program to be broadcast.

15 17. An information processing apparatus according to claim 16, wherein in response to the broadcast end of the program, said control means controls said display means to inhibit a display of the program information of the program and display the program information of the next program.

20 25 18. An information processing apparatus according to claim 1, wherein in response to a lapse of a predetermined time from when a display of the program information is displayed, said control means controls said display means to finish a display of the program information.

19. An information processing apparatus according
to claim 1, wherein the image data input by said input
means includes image data of the images of the program
and image data of commercial images inserted in the
5 program, and in response to a change of the program
including images displayed by said display means, said
control means controls said display means to display
the program information on the program information data
of the changed program and the commercial images on the
10 same screen.

20. An information processing apparatus
comprising:

15 input means for inputting image data and program
information data, the program information data
indicating information on a program including the image
data;

20 output means for outputting the image data to
display means to display an image relating to the image
data input from said input means; and

control means responsive to a change in a program
corresponding to the image data output from said output
means for controlling said output means to output the
program information data to said display means to
25 display program information relating to the program
information data of the changed program and the images
on a same screen.

21. An information processing method comprising:
an input step of inputting image data and program
information data, the program information data
indicating information relating to a program including
5 the image data;
a display step of displaying an image
corresponding to the input image data on display means;
and
a control step, responsive to a change in a
10 program of the displayed image, of controlling the
display means to display program information relating
to the program information data of the changed program
and the image on a same screen.
- 15 22. A television signal receiving apparatus
comprising:
receiving means for receiving a television signal;
input means for inputting program information data
representative of information relating to a program
20 corresponding to the television signal;
display means for displaying an image
corresponding to the television signal received by said
receiving means; and
control means responsive to a change in a program
25 including images displayed by said display means for
controlling said display means to display program
information of the changed program and the images on a

same screen.

23. A television signal receiving apparatus comprising:

5 receiving means for receiving a television signal;
input means for inputting program information data representative of information relating to a program corresponding to the television signal;
output means for outputting the television signal
10 to display means to display an image corresponding to the television signal received by said receiving means;
and
control means responsive to a change in a program corresponding to the television signal output from
15 said output means for controlling said output means to output the program information data to the display means to display program information of the changed program and the image on a same screen.

20 24. A television signal receiving method comprising:

a reception step of receiving a television signal;
an input step of inputting program information data of a program relating to the television signal;
25 a display step of displaying an image corresponding to the received television signal relating to display means; and

a control step, responsive to a change in a program including displayed images, of controlling the display means to display program information relating to the program information data of the changed program and the images on a same screen.

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